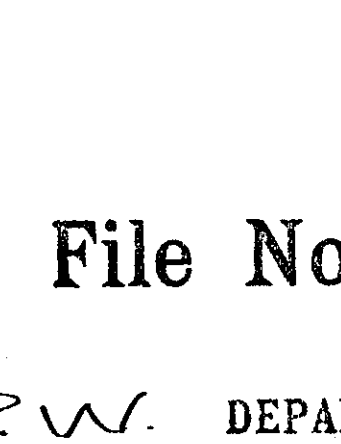
1950-51 File No. 2254/48-II

B CLASS P.W. DEPARTMENT
El. BRANCH (11). (1)

Subject:—Standing Advisory Committee (El. Power)
Meetings, agenda, minutes etc.



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Ltd. Secut. Slip. 24 A

G.R., G.D., No. 2408, dated 22-6-22.]

Correspondence

DOCKET SHEET

Subject :—

File No. 2254/48-II

P. W. DEPT.

Rel (II) BRANCH.

References :—

Date.	To whom sent.	Notes and instructions.

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Copy with compliments to Shri. V.W.Gothoskar, under Secretary to Govt. P.W.D. Bombay.

Standing Advisory Committee.

(Electrical Power).

Minutes of the 7th meeting held on the 8th December 1950 at 4 p.m. in the office of the Secretary to Government, P.W.D., Bombay.

The following were present :-

1. The Secretary to Government, P.W.D., Bombay. Chairman.
2. The Secretary to Government, Labour & Housing Department, Bombay.
3. The Secretary to Government, Development Department, Bombay.
4. Shri C.S. Patel, M.L.A.
5. Mr. W. S. Nelson, Managing Director, Tata Hydro Electric Agencies, Bombay.
6. Shri M.B. Lukmani, Representative of the Association of Electrical Undertakings, Bombay.
7. Shri H.R. Vazifdar, Executive Engineer, Electric Grid, Bombay. Secretary.

Shir V.W. Gothoskar, Under Secretary to Government , P.W.D., Bombay was also present.

1. Minutes of the last ~~meeti~~ meeting.

Minutes of the previous meeting held on 1st September 1950 were confirmed.

2. Review of the availability of power from the Tata-G.I.P., Interconnected System.

(i) The note on the availability of power from Tata -G.I.P. Interconnected System and the estimated load demands till July 1951, which was already circulated to the members, was discussed. Mr. Nelson stated that the figures of estimated demand shown in the note were lower than those anticipated by Tatas . He was of the opinion that the trend of load demands on the System indicated that no further addition..

addition of load could be allowed on the System at present. He further stated that it was proposed to fit up new runners. on the turbines of Khopoli Power station. Orders have already been placed but the de deliveries are not expected until October 1951. He estim ted that it will take about 10 months to instal the new runners on all the turbines of the Khopoli power station. The proposed work at Khopoli will affect the availability of power because, although 22,000 KW. extra capacity will be added to the System from July 1951 as result of the commissioning of the sixth unit at Bhira, the capacity would be reduced by 11,000 kW on account of the taking out of a Khopoli turbine, by turn from October 1951 onwards for a total period of 10 months, that is, till July 1952. He therefore t hought that the Committee should be cautious about release of new loads until the Railways' proposed additional plant came into operation at Chola.

(ii) The Chairman stated that Government had placed orders for the power plant required for the extension of Chola Power station by Bombay Government. The orders for three 18,000 kW turbo alternator sets and switchgear were placed with the German firm of Messrs Siemens Schukert while orders for the steam raising plant, consisting of 4 boilers of 150,000 lbs/hr. capacity, each capable of delivering steam at a pressure of 425 psig. and temperature of 780 F at superheater outlet. were ~~pal~~ placed with the Japanese firm of Messrs Mitsubishi, The total estimated cost of the power station is about Rs. 3 crores. Orders were ~~pal~~ placed with penalty clauses for guaranteed deliveryan and efficiency of the respective plants. and the plant is expected to go into commission early in 1953.

(iii) Mr. Nelson stated that Tatas have a proposal to develop 65,000 kW of hydro-electric power at a cost of about Rs. 6½ crores with an estimated annual production

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production of 130 million units. He stated that it was proposed to store the water overflowing from the Mulshi lake in a reservoir to be formed in the valley along the course of the Bhira tailrace waters and also in an adjoining valley. Tatas will shortly submit a proposal to Government in this connection. He stated that this was a low head scheme and therefore would be useful in taking care of the instantaneous fluctuations on the System. He also considered that when Koyna power is brought to Bombay, this new generating station of Tatas will provide the spinning reserve for the interconnected System instead of the same being provided at Koyna power station which will involve losses in long transmission.

Regarding Government plant at Chola, Mr. Nelson suggested that if it was installed somewhere at Kasara near the B.E.S.T. Sub-Station, it would save transmission losses as well as the transport charges for coal. The Chairman stated that it was too late to consider this suggestion at this stage as any change in the proposed programme would delay the date of commissioning of the extension of Chola power station.

(iv) From the figures of available capacity as shown in he statement, submitted along with the note, it appeared that no further release of power could be mde until April 1950 for new industrial purpose. Meanwhile it was decided to classify the various applications received for power for industrial purposes into different categories of priorities so that when any surplus power became available, it could be released without delay to the loads in the order of their priority. The actual load developments on the System should be watched till March 1951 and if the development took place

place as estimatdd, then some limited quantum of power could be considered for release from April 1951 onwards according to availability.

The Secretary, Labour Department, however referred to the question of removal of half-staggering and stated that during the meeting held in February 1950 by the three Honourable Ministers with the representatives of industry and labour, it was decided to review in or about August 1951 the question of removal of half staggering. He therefore desired that before releasing any new loads, the question of removal of half-staggering should considered. As the net firm increase in capacity after the sixth set at Bhira is commissioned into service and until the new runners are provided on the Khopoli turbines would be only about 10,000 kW it would not be possible to remove half-staggering of textile industry which required about 12,000 to 15,000 kW to give ~~extended to other industries~~ effect to. Furthermore, staggering has now been extended to other industries and they may also clamour for removal of staggering. It was therefore decided to refer this matter to Government for their decision which should be taken before any power from the capacity likely to be available is released for new new industries.

(Action--P.W.D.).

3. Sanctioned but unconnected loads.

Regarding the application of Messrs ~~Hidu~~ Hindustan Vanaspati Ltd. for 1,000 kW mentioned in the note already circulated, it has been reported by the Director of Industries that this factory required power for oil crushing, hydragenation and soap manufacture. It was decided to give night supply for the entire requirements as recommended by the Director of Industries.

(Action - P.W.D.).

4. Neon Signs.

The Chairman stated that the B.E.S.T. had repre-
represented....

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4. The Chairman stated that the B.E.S.T., had represented that there was a large increase in the number of unauthorised installations of neon signs and it was difficult to check whether it was a new installation or an existing one. Shri Lukmani stated that release of power for neon signs if these are freely permitted, would hardly result in an increase of more than 60 to 80 kW on the Syste, He suggested that permission to instal neon ~~gi~~ signs may be given against existing connections, i.e. where incandescent lamps are sused at present, permission may be given to replace them by neon signs, within the existing load, It was stated that power required by neon signs was nearly 1/4 or 1/5 of what was required by incandescent lamps for lighting up the same sign-board. Shri Lukmani stated that blue signs comsume about 5 watts per foot run of lettering etc. while yellow signs consume about 8 watts per foot. It was decided to delegate powers to the B.E.S.T. to connect neon signs loads in replacement of the existing incandescent lamp signs upto a maximum of 50 running feet or a maximum wattage of 250 watts, provided the connected load was not increased. Applications for installations exceeding either of the above limits should be submitted to Government for orders.

(Action - P.W.D.).

5. Staggering of workingh hours of flour mills in Bombay area.

The information furnished in the note already circulated was noted.

6. Exemption from the operation of orders regarding factory shut-down day staggering.

13 applicatio s have so far been recieved by Government for exemption from the operation of the orders regarding factory shut-down day staggering in the areas served by the B.E.S.T. Exemptions have

have been granted to 8 applications, after considering each case on its merits.

It was stated by Shri Lakmani that difficulties were experianced by certain factories to comply with the factories' rules as required by the Chief Inspector of Factories. He stated that the difficulty was regarding the commencement of the 10 days period laid down under the factories' Act for giving a weekly day off, the period being counted at present from a Sunday. He stated that it was necessary to count the period for this purpose from the day of the shut-down applicable in each individual case. The Secretary, Labour Department, stated that he did not ~~consider~~ consider that there would be any difficulty in the operation of the factory Act with respect to the subt-down a day staggering scheme. The Chairman stated that if a concrete case is submitted to Government, by any factory, it will be duly considered.

The exemptions already granted by Government were approved by the Committee.

7. New Industrial Loads.

The list of new industrial loads as already circulated was considered.

(i) In the case of the Champion Engineering Works , it was decided that it should be ascertained if night supply would serve the requirements of this factory. It was considered that at present the demand for production of this factory may not be large.

(Action - Development Dept.).

(ii) Recommendation of the Director of Industries for giving 50 kW from 7 a.m. to 3 p.m. to Messrs Khoala Plastic Works was approved.

(iii) Regarding Messrs Swastik Rubber Products Ltd., as their minimum requirements were stated to be 84.3 kW only, the same was approved for supply during the ~~dy~~ day. Their other requirements viz. 20 kW.

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20 kW on during the night and for lighting according to floor area requirements were also approved.

(iv) Sup ly of 1.5 kW to a refugee, Shri P.D. Raney who had obtained a loan from the Rehabilitation Finance Administration was also approved.

(v) Supply of 6 kW to Messrs Glucose and Foods Ltd. for manufacturing Glucose D Crystals was also approved outside the period 6 p.m. to 10 p.m.

(vi) Consideration of release of power to the following applicants was postponed, and it was decided that these be included in the proposed list of demands, classified into categories according to their priorities for consideration when surplus power was available for release (vide itemll (iv) above).

(1) Shri D.V. Valicha Refugee.	.....	10 kW for flour mill.
(2) Messrs J. Errana & Sons.	.....	7.5 kW for manufacture of Builders' Hardware.
(3) Messrs Authmotive Manufacturers Ltd.	.....	37.5 kW for assembling of and repairs to motor cars, trucks &c.
(4) Messrs Paragan Engineering Co. Ltd., Bombay.	.....	65.75 kW. Manufa turing capital equipment, weaving and preparatory machinery for silk and reyon fabrics.
(5) Messrs French Motor Car Co. Ltd., Bombay.	.....	42 kW for assembling motor cars.
(6) Shri P.S. Narain, (B.S.E.S.).	.....	70 kW for Ice and Cold Storage Plant.
(7) Shri Chhabaldas Hasrajmal, Thana.	.....	11.25 kW for saw mill.
(8) Messrs The Motwane Radio Manafacturing Co. Ltd., (B.S.E.S.).	.....	25 kW for manufacture of domestic radio receiving sets and accessories.
(9) Messrs Kores (India) Ltd., Bombay.	.....	18 kW Manufacture of carbon papers, typewriter ribbons, dry-type stencils, duplicating ink, ink tablets, stamp pads etc.

8. Next Meeting.
The date of the next meeting will be fixed later.

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